

LESSON 8: Converting Measurements with Ratios

Homework.....
Name _____ Date _____**Directions:** Complete the following SOLVE problems.

The art club is making banners for a school open house. They bought a roll of ribbon to use for the border of the banner that has 15 yards of ribbon. How many centimeters of ribbon are on the roll? (1 yard = 0.914 meters; 1 meter = 100 cm)

1. S Underline the question.
The problem is asking me to find _____
_____.

2. O Identify the facts.
Eliminate the unnecessary facts.
List the necessary facts.

3. L Write in words what your plan of action will be.

Choose an operation or operations.

4. V Estimate your answer.
Carry out your plan.

5. E Does your answer make sense? (Compare your answer to the question.)

Is your answer reasonable? (Compare your answer to the estimate.)

Is your answer accurate? (Check your work.)

Write your answer in a complete sentence.

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Homework

.....
 Name _____ Date _____

Jason has a dog that weighs 18 kilograms. He has to give the dog medicine and the directions on the medicine give the dosage chart, but the dog weights are given in pounds. What is the weight of Jason’s dog in pounds? (1 pound = 0.453 kg)

6. S Underline the question.
 The problem is asking me to find _____
 _____.

7. O Identify the facts.
 Eliminate the unnecessary facts.
 List the necessary facts.

8. L Write in words what your plan of action will be.

Choose an operation or operations.

9. V Estimate your answer.
 Carry out your plan.

10.E Does your answer make sense? (Compare your answer to the question.)

Is your answer reasonable? (Compare your answer to the estimate.)

Is your answer accurate? (Check your work.)

Write your answer in a complete sentence.